

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

1. (currently amended) A memory apparatus formed on one semiconductor substrate, comprising:

- a phase lock loop circuit including a driver,
- wherein said driver is connected to receive a first clock signal having a first frequency, and said driver which generates, based on said first clock signal, a second clock signal which is substantially in phase with said first clock signal and has a second frequency;
- a memory part which stores data; and
- an interface circuit,
- wherein said interface circuit in synchronism with said second clock signal, outputs said data.

2. (original) A memory apparatus according to claim 1, wherein said memory part, responsive to said second clock signal, inputs an address.

3. (currently amended) A memory apparatus formed on one semiconductor substrate, comprising:

- a phase lock loop circuit including a driver,
- wherein said driver is connected to receive a first clock signal having a first frequency, and said driver which generates, based on said first clock

signal, a second clock signal which is substantially in phase with said first clock signal and has a second frequency;

a Random Access Memory (RAM); and

an interface circuit,

wherein said interface circuit in synchronism with said second clock signal, outputs data.

4. (original) A memory apparatus according to claim 3, wherein said RAM, responsive to said second clock signal, inputs an address.

5. (currently amended) A memory apparatus formed on one semiconductor substrate, comprising:

a phase lock loop circuit including a driver,

wherein said driver is connected to receive a first clock signal having a first frequency, and said driver which generates, based on said first clock signal, a second clock signal which is substantially in phase with said first clock and has a second frequency;

a Read Only Memory (ROM); and

an interface circuit,

wherein said interface circuit in synchronism with said second clock signal, outputs data.

6. (original) A memory apparatus according to claim 5, wherein said ROM, responsive to said second clock signal inputs an address.